

January 10, 1994

Docket No. 50-443
Serial No. SEA-94-001

Mr. Ted C. Feigenbaum
Senior Vice President
and Chief Nuclear Officer
North Atlantic Energy Service Corporation
Post Office Box 300
Seabrook, New Hampshire 03874

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Dear Mr. Feigenbaum:

SUBJECT: SEABROOK STATION, UNIT 1 - FEDERAL REGISTER NOTICE RELATED TO
LICENSE AMENDMENT REQUEST 93-18 (TAC M87849)

The Commission has forwarded the enclosed "Notice of Consideration of Issuance of Amendment to Facility Operating License and Opportunity for Hearing" to the Office of the Federal Register for publication.

The notice relates to your November 23, 1993, application to amend the Technical Specifications to permit operation of the Seabrook core with an expanded axial flux difference (AFD) band from that currently permitted and to allow for fuel design enhancements.

Sincerely,

Original signed by

Albert W. De Agazio, Sr. Project Manager
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

January 10, 1994

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Serial No. SEA-94-001

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Senior Vice President
and Chief Nuclear Officer
North Atlantic Energy Service Corporation
Post Office Box 300
Seabrook, New Hampshire 03874

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Sincerely,

A handwritten signature in cursive script that reads "Albert W. De Agazio".

Albert W. De Agazio, Sr. Project Manager
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

Mr. Ted C. Feigenbaum

Seabrook Station

cc:

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Resident Inspector
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Amesbury, Massachusetts 01913

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Mr. Jack Dolan
Federal Emergency Management Agency
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Boston, Massachusetts 02109

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Exeter, New Hampshire 03823

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UNITED STATES NUCLEAR REGULATORY COMMISSIONNORTH ATLANTIC ENERGY SERVICE CORPORATIONDOCKET NO. 50-443NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO
FACILITY OPERATING LICENSE AND OPPORTUNITY FOR A HEARING

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. NPF-86, issued to North Atlantic Energy Service Corporation (the licensee), for operation of the Seabrook Station, Unit No. 1, located in Rockingham County, New Hampshire.

The proposed amendment would change the Seabrook Station, Unit 1 (Seabrook) Technical Specifications (TS) to permit operation of the Seabrook core with an expanded axial flux difference (AFD) band from that currently permitted. Operation with the expanded AFD band is supported by continuous monitoring of core power distribution using the fixed incore detector system. Other TS changes allow for fuel design enhancements. The changes to the TS include modification to a number of safety analysis input parameters and assumptions as follows:

- Incorporation of Westinghouse WRB-1 departure from nucleate boiling correlation and revised thermal design procedure
- Increased core power distribution peaking factors
- Allowance for positive moderator temperature coefficient
- Allowance for thimble plug deletion
- Allowance for increased steam generator tube plugging limit

- Allowance for new fuel design features
- Modification of analytical assumptions related to certain surveillance parameters
- Expansion of AFD band Limiting Condition for Operation.

The proposed amendment would affect TS Sections 3.1.1.3, 3.1.3.4, 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5, 3.3.3.2, 4.2.1, 4.2.2, 4.2.5, 4.5.2, 5.3, and 6.8.1, Figure 2.1-1, and Tables 2.2-1, 3.3-4, and 4.3-1.

Before issuance of the proposed license amendment, the Commission will have made findings required by the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations.

By February 17, 1994, the licensee may file a request for a hearing with respect to issuance of the amendment to the subject facility operating license and any person whose interest may be affected by this proceeding and who wishes to participate as a party in the proceeding must file a written request for a hearing and a petition for leave to intervene. Requests for a hearing and a petition for leave to intervene shall be filed in accordance with the Commission's "Rules of Practice for Domestic Licensing Proceedings" in 10 CFR Part 2. Interested persons should consult a current copy of 10 CFR 2.714 which is available at the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC 20555 and at the local public document room located at Exeter Public Library, 47 Front Street, Exeter, New Hampshire 03833. If a request for a hearing or petition for leave to intervene is filed by the above date, the Commission or an Atomic Safety and Licensing Board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel, will rule on the request and/or

petition; and the Secretary or the designated Atomic Safety and Licensing Board will issue a notice of hearing or an appropriate order.

As required by 10 CFR 2.714, a petition for leave to intervene shall set forth with particularity the interest of the petitioner in the proceeding, and how that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following factors: (1) the nature of the petitioner's right under the Act to be made a party to the proceeding; (2) the nature and extent of the petitioner's property, financial, or other interest in the proceeding; and (3) the possible effect of any order which may be entered in the proceeding on the petitioner's interest. The petition should also identify the specific aspect(s) of the subject matter of the proceeding as to which petitioner wishes to intervene. Any person who has filed a petition for leave to intervene or who has been admitted as a party may amend the petition without requesting leave of the Board up to 15 days prior to the first prehearing conference scheduled in the proceeding, but such an amended petition must satisfy the specificity requirements described above.

Not later than 15 days prior to the first prehearing conference scheduled in the proceeding, a petitioner shall file a supplement to the petition to intervene which must include a list of the contentions which are sought to be litigated in the matter. Each contention must consist of a specific statement of the issue of law or fact to be raised or controverted. In addition, the petitioner shall provide a brief explanation of the bases of the contention and a concise statement of the alleged facts or expert opinion which support the contention and on which the petitioner intends to rely in

proving the contention at the hearing. The petitioner must also provide references to those specific sources and documents of which the petitioner is aware and on which the petitioner intends to rely to establish those facts or expert opinion. Petitioner must provide sufficient information to show that a genuine dispute exists with the applicant on a material issue of law or fact. Contentions shall be limited to matters within the scope of the amendment under consideration. The contention must be one which, if proven, would entitle the petitioner to relief. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing, including the opportunity to present evidence and cross-examine witnesses.

A request for a hearing or a petition for leave to intervene must be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Attention: Docketing and Services Branch, or may be delivered to the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC 20555, by the above date. Where petitions are filed during the last 10 days of the notice period, it is requested that the petitioner promptly so inform the Commission by a toll-free telephone call to Western Union at 1-(800) 248-5100 (in Missouri 1-(800) 342-6700). The Western Union operator should be given Datagram Identification Number N1023 and the following message addressed to Mr. John F. Stolz: petitioner's name and telephone number; date petition was mailed; plant name;

and publication date and page number of this FEDERAL REGISTER notice. A copy of the petition should also be sent to the Office of the General Counsel, U.S. Nuclear Regulatory Commission, Washington, DC 20555, and to Thomas Dignan, Esquire, Ropes & Gray, One International Place, Boston Massachusetts 02110-2624, attorney for the licensee.

Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the presiding Atomic Safety and Licensing Board that the petition and/or request should be granted based upon a balancing of the factors specified in 10 CFR 2.714(a)(1)(i)-(v) and 2.714(d).

If a request for a hearing is received, the Commission's staff may issue the amendment after it completes its technical review and prior to the completion of any required hearing if it publishes a further notice for public comment of its proposed finding of no significant hazards consideration in accordance with 10 CFR 50.91 and 50.92.

For further details with respect to this action, see the application for amendment dated November 23, 1993, which is available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street,

NW., Washington, DC 20555, and at the local public document room located at Exeter Public Library, 47 Front Street, Exeter, New Hampshire 03833.

Dated at Rockville, Maryland, this 10th day of January 1994.

FOR THE NUCLEAR REGULATORY COMMISSION



Alexander W. Dromerick, Acting Director
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation